

## Product datasheet for **TA346923S**

### **TORC1 (CRTC1) Mouse Monoclonal Antibody [Clone ID: 3D7-E5-D9]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	3D7-E5-D9
<b>Applications:</b>	FC, IF, IP, WB
<b>Recommended Dilution:</b>	WB: 1:1000, IF: 1:300, FC: 1:100
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2b
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	The immunogen for CRTC1 antibody: purified recombinant human MECT1 / Torc1 protein fragments expressed in E.coli.
<b>Formulation:</b>	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.02% sodium azide, 50% glycerol
<b>Purification:</b>	Affinity purified
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	78 kDa
<b>Gene Name:</b>	CREB regulated transcription coactivator 1
<b>Database Link:</b>	<a href="#">NP_056136</a> <a href="#">Entrez Gene 23373 Human</a> <a href="#">Q6UUV9</a>



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<b>Background:</b>	Transcriptional coactivator for CREB1 which activates transcription through both consensus and variant cAMP response element (CRE) sites. Acts as a coactivator, in the SIK/TORC signaling pathway, being active when dephosphorylated and acts independently of CREB1 'Ser-133' phosphorylation. Enhances the interaction of CREB1 with TAF4. Regulates the expression of specific CREB-activated genes such as the steroidogenic gene, StAR. Potent coactivator of PGC1alpha and inducer of mitochondrial biogenesis in muscle cells. Also coactivator for TAX activation of the human T-cell leukemia virus type 1 (HTLV-1) long terminal repeats (LTR). In the hippocampus, involved in late-phase long-term potentiation (L-LTP) maintenance at the Schaffer collateral-CA1 synapses (By similarity)
<b>Synonyms:</b>	MECT1; TORC-1; TORC1; WAMTP1
<b>Protein Families:</b>	Transcription Factors